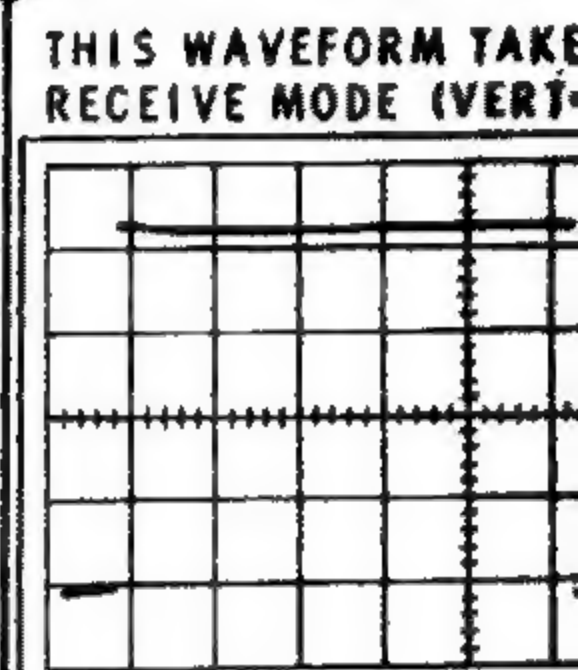


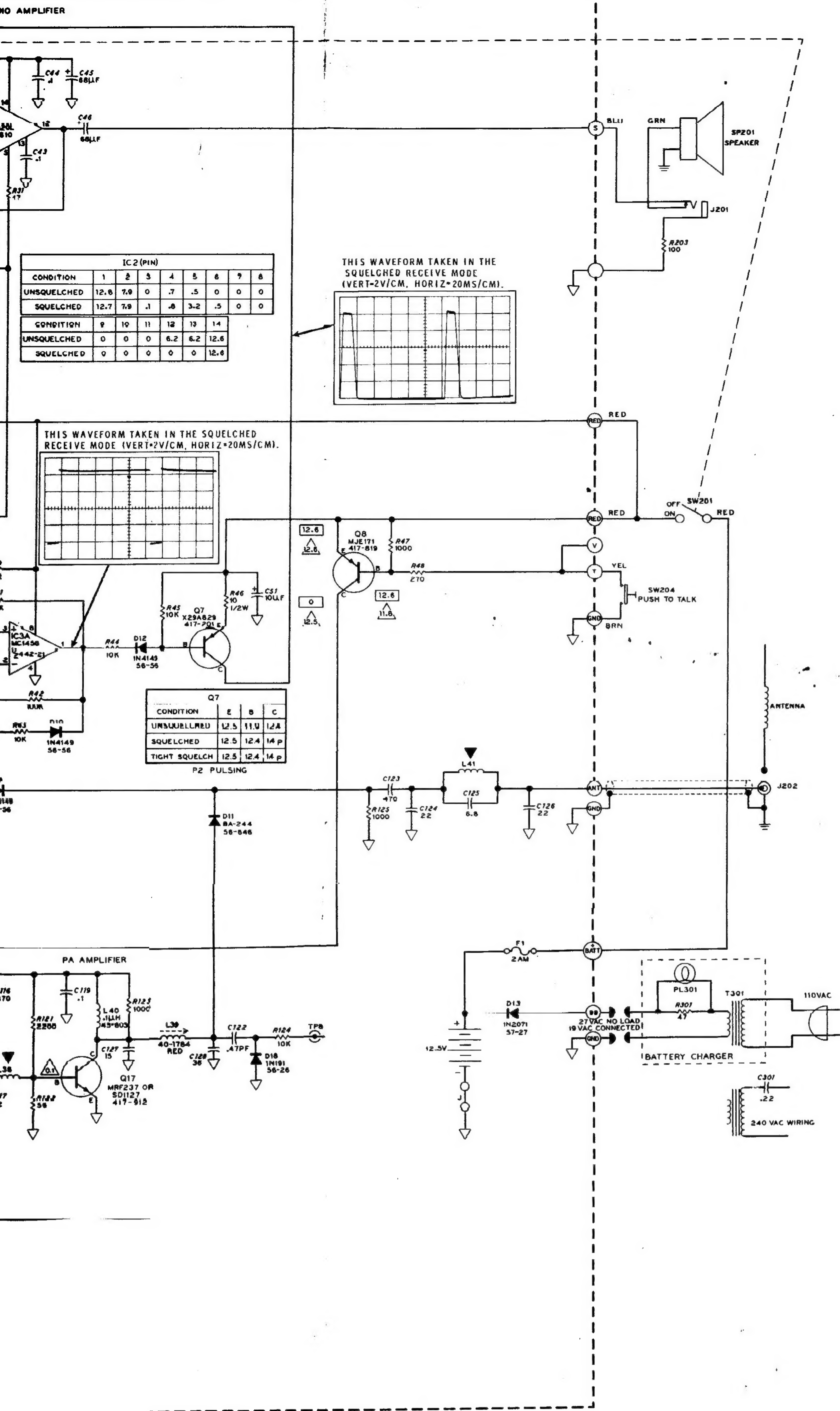
IC3 (PIN)								
CONDITION	1	2	3	4	5	6	7	8
UNSQUELCHED	2	11.1	3.2	0	12.4	3.8	11.8	12.5
SQUELCHED	10.8P	7.4P	9.4P	0	.85P	3.9	1.9	12.5
11LM1 SQUELLED	10.8P	7.4P	9.4P	0	.7P	3.9	1.9	12.3

P = PULSING

IC2 (PIN)			
CONDITION	1	2	3
UNSQUELCHED	12.8	7.9	0
SQUELCHED	12.7	7.9	1







# **SCHEMATIC OF THE HEATHKIT® HAND-HELD 2-METER TRANSCEIVER MODEL VF-2031**

## **NOTES:**

### **1. COMPONENT NUMBERS ARE IN THE FOLLOWING GROUPS:**

1-199 PARTS ON THE CIRCUIT BOARD.  
201-299 PARTS ON THE CASE.  
301-399 PARTS IN THE CHARGER.

### **2. ALL RESISTORS ARE 1/4-WATT, 5% TOLERANCE, UNLESS OTHERWISE NOTED. RESISTOR VALUES ARE IN OHMS, K=1000.**

### **3. CAPACITORS LESS THAN 1 ARE IN μF (MICROFARADS). ALL OTHER CAPACITORS ARE pF (PICOFARADS) UNLESS OTHERWISE NOTED.**

### **4. ARROWS AT CONTROLS INDICATE CLOCKWISE ROTATION AS VIEWED FROM THE SHAFT END, OR TOP OF, THE CONTROL.**

### **5. THIS SYMBOL INDICATES A POSITIVE DC VOLTAGE MEASURED WITH A HIGH INPUT IMPEDANCE VOLT-METER FROM THE POINT INDICATED TO CASE GROUND. ALL VOLTAGES ARE ± 20%.**

### **6. THIS SYMBOL INDICATES A VOLTAGE MEASURED IN THE RECEIVE MODE.**

### **7. THIS SYMBOL INDICATES A VOLTAGE MEASURED IN THE TRANSMIT MODE.**

### **8. THIS SYMBOL INDICATES CIRCUIT BOARD GROUND.**

### **9. THIS SYMBOL INDICATES CASE GROUND.**

### **10. THIS SYMBOL INDICATES A SOLDERED CONNECTION TO THE CIRCUIT BOARD.**

### **11. THIS SYMBOL INDICATES A COIL WOUND BY THE KITBUILDER.**

### **12. THIS SYMBOL INDICATES A TEST POINT.**

### **13. THIS SYMBOL INDICATES A COMPONENT DRAWN WITHIN THE CIRCUIT BOARD OUTLINE THAT IS ACTUALLY MOUNTED ON THE CASE.**

### **14. REFER TO THE CIRCUIT BOARD "X-RAY VIEWS" FOR THE PHYSICAL LOCATION OF PARTS.**

Part of 595-2085-05

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